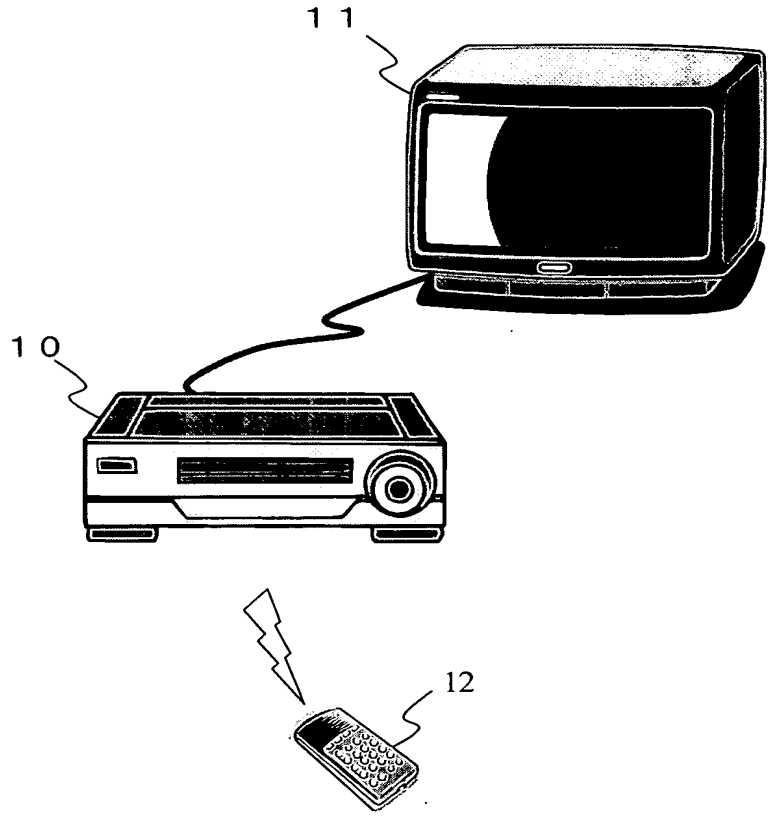
FIG. 1



F I G. 2

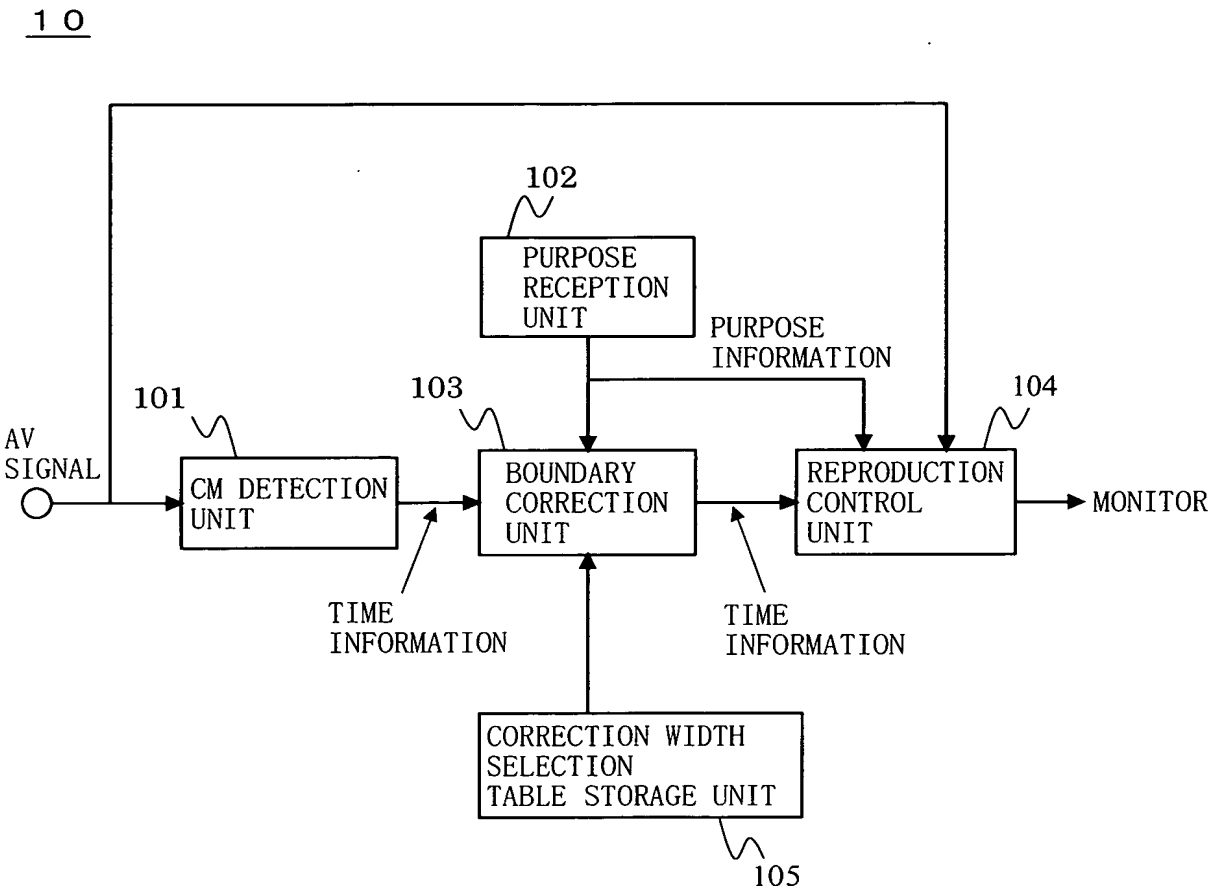

10
102
PURPOSE RECEPTION UNIT
PURPOSE INFORMATION
101
103
104
AV SIGNAL
CM DETECTION UNIT
BOUNDARY CORRECTION UNIT
REPRODUCTION CONTROL UNIT
MONITOR
TIME INFORMATION
TIME INFORMATION
CORRECTION WIDTH SELECTION TABLE STORAGE UNIT
105

FIG. 3

SECTION NUMBER	CM SECTION			UNIT CM (1)		UNIT CM (2)		···	UNIT CM (n)	
	START POINT TIME	END POINT TIME	THE NUMBER OF UNIT CMs	START POINT TIME	END POINT TIME	START POINT TIME	END POINT TIME	···	START POINT TIME	END POINT TIME
1	0:01:00	0:02:00	4	0:01:00	0:01:15	0:01:15	0:01:30	···	0:01:45	0:02:00
2	0:12:00	0:13:30	6	0:12:00	0:12:15	0:12:15	0:12:30	···	0:13:15	0:13:30
3	0:23:30	0:26:00	6	0:23:30	0:23:45	0:23:45	0:24:00	···	0:25:45	0:26:00
4	0:27:45	0:29:00	5	0:27:45	0:28:00	0:28:00	0:28:15	···	0:28:45	0:29:00
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

F I G. 4

110

		THE LENGTH OF CM SECTION (IN SECONDS)					
		15	30	45, 60	75, 90	105, 120	EQUAL TO OR GREATER THAN 120
THE NUMBER OF UNIT CM SECTIONS	1	*	*	*	*	*	*
	2	*	15	15	30	30	60
	3, 4	*	*	15	30	30	30
	5, 6	*	*	*	15	30	30
	EQUAL TO OR GREATER THAN 7	*	*	*	*	15	30

FIG. 5

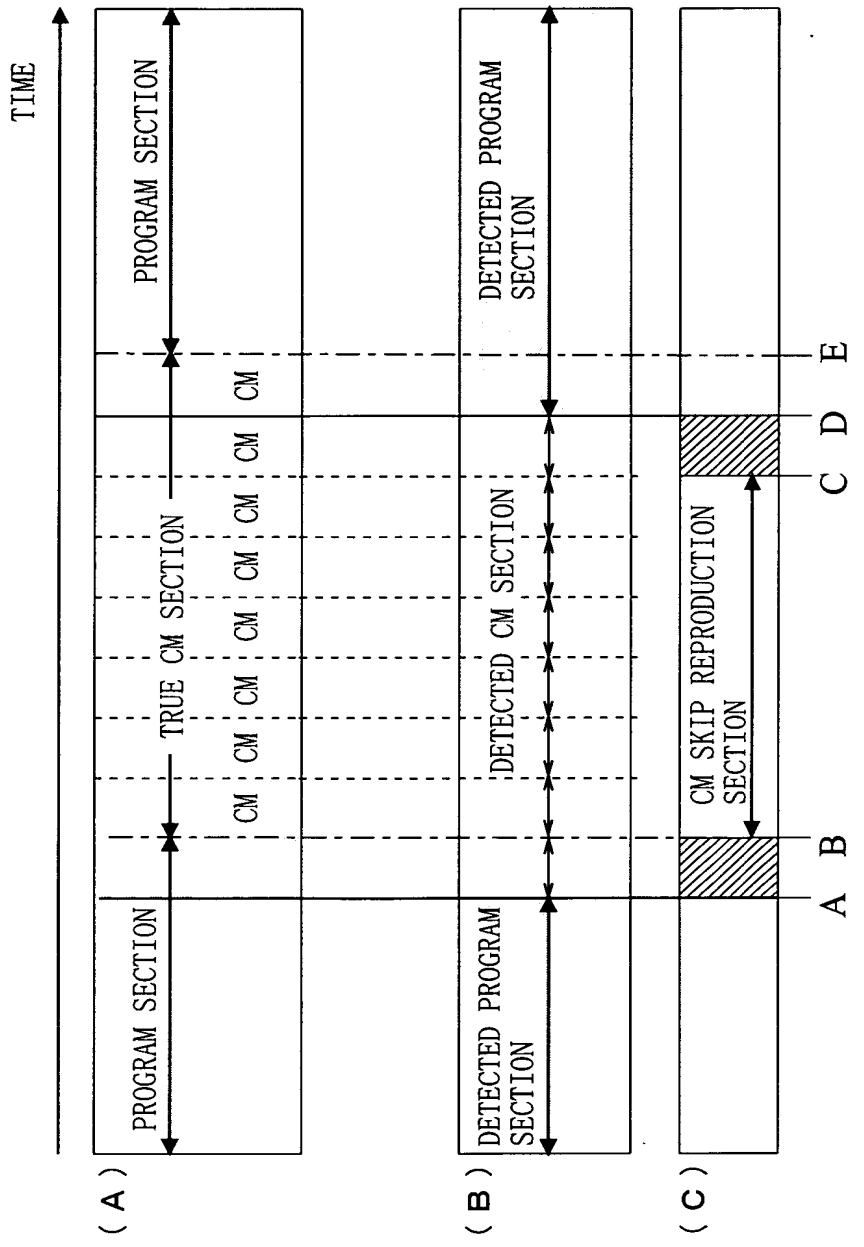

TIME
(A)
PROGRAM SECTION
TRUE CM SECTION
CM
CM
CM
CM
CM
CM
CM
CM
PROGRAM SECTION
(B)
DETECTED PROGRAM SECTION
DETECTED CM SECTION
DETECTED PROGRAM SECTION
(C)
CM SKIP REPRODUCTION SECTION
A
B
C
D
E

FIG. 6

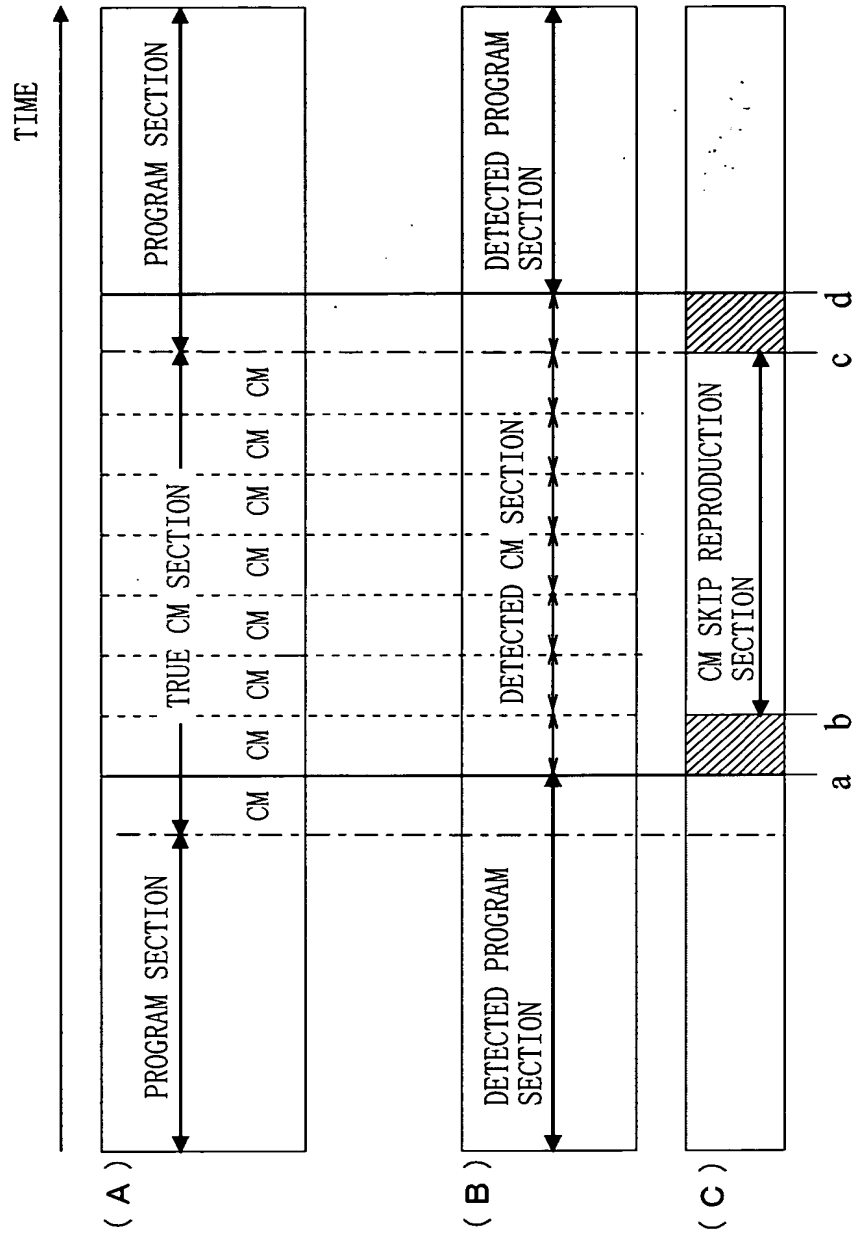

TIME
(A)
PROGRAM SECTION
TRUE CM SECTION
CM
CM
CM
CM
CM
CM
CM
CM
PROGRAM SECTION
(B)
DETECTED PROGRAM SECTION
DETECTED CM SECTION
DETECTED PROGRAM SECTION
(C)
CM SKIP REPRODUCTION SECTION
a
b
c
d

FIG. 7

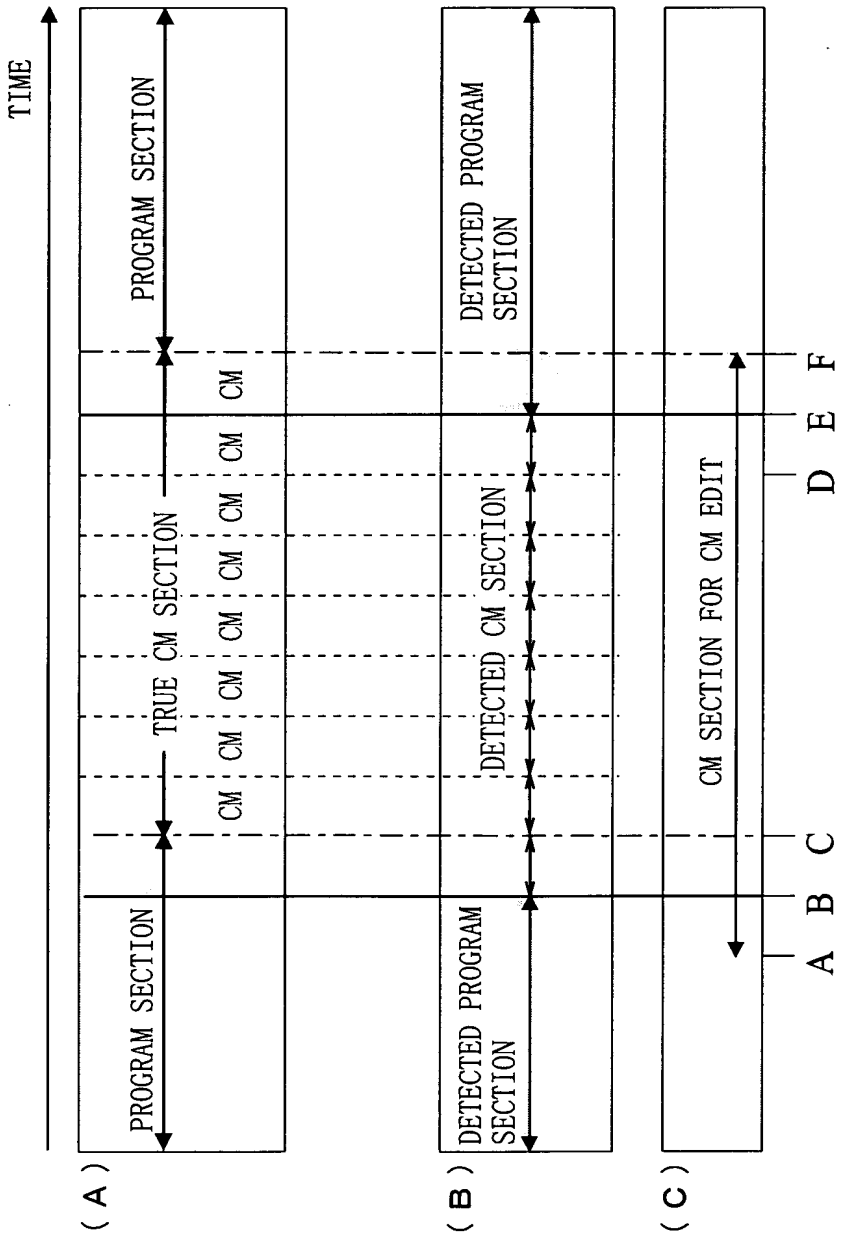

TIME
(A)
PROGRAM SECTION
TRUE CM SECTION
CM
CM
CM
CM
CM
CM
CM
PROGRAM SECTION
(B)
DETECTED PROGRAM SECTION
DETECTED CM SECTION
DETECTED PROGRAM SECTION
(C)
CM SECTION FOR CM EDIT
A
B
C
D
E
F

FIG. 8

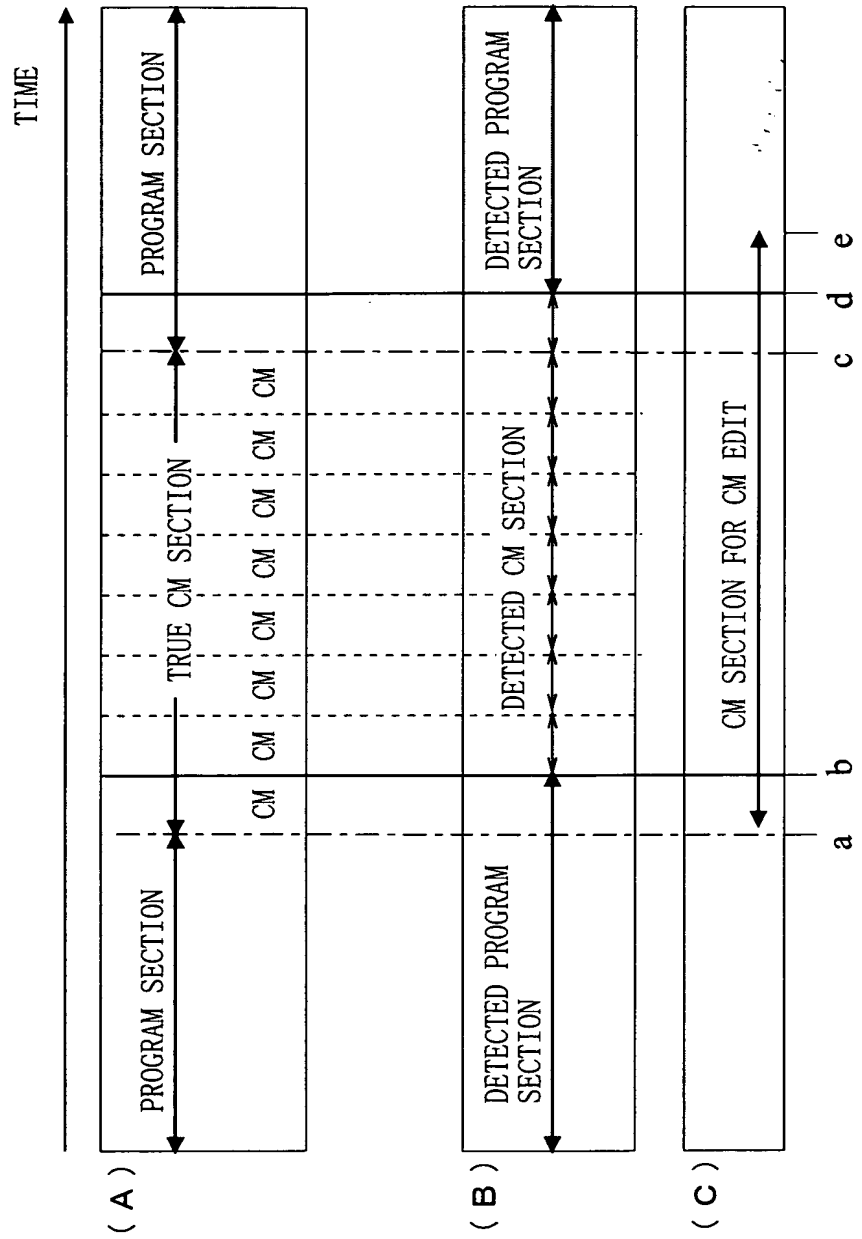

TIME
(A)
PROGRAM SECTION
CM
CM
CM
CM
CM
CM
TRUE CM SECTION
PROGRAM SECTION
(B)
DETECTED PROGRAM SECTION
DETECTED CM SECTION
DETECTED PROGRAM SECTION
(C)
CM SECTION FOR CM EDIT
a
b
c
d
e

FIG. 9

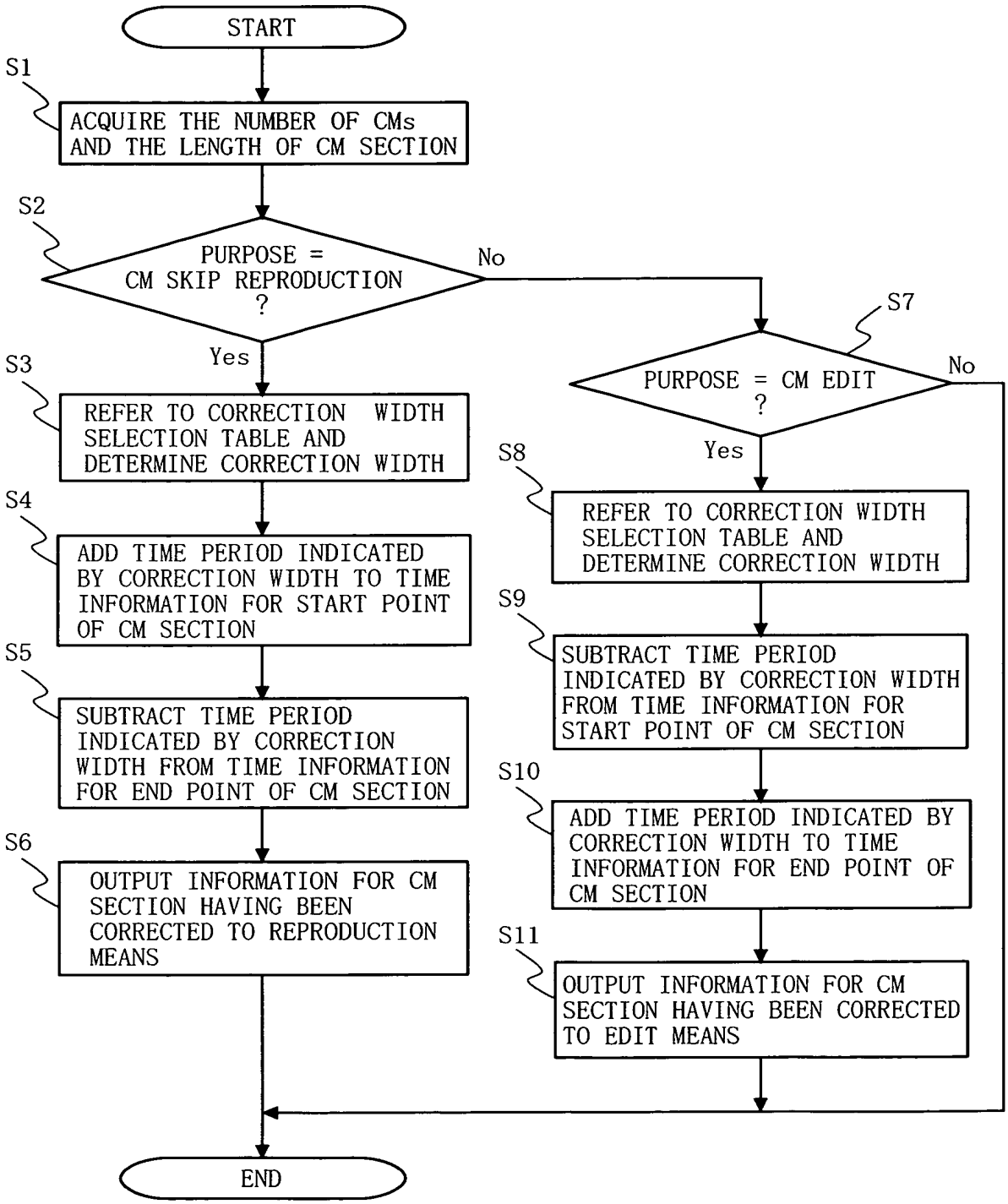

START
S1
ACQUIRE THE NUMBER OF CMs AND THE LENGTH OF CM SECTION
S2
PURPOSE = CM SKIP REPRODUCTION ?
No
Yes
S3
REFER TO CORRECTION WIDTH SELECTION TABLE AND DETERMINE CORRECTION WIDTH
S4
ADD TIME PERIOD INDICATED BY CORRECTION WIDTH TO TIME INFORMATION FOR START POINT OF CM SECTION
S5
SUBTRACT TIME PERIOD INDICATED BY CORRECTION WIDTH FROM TIME INFORMATION FOR END POINT OF CM SECTION
S6
OUTPUT INFORMATION FOR CM SECTION HAVING BEEN CORRECTED TO REPRODUCTION MEANS
S7
PURPOSE = CM EDIT ?
No
Yes
S8
REFER TO CORRECTION WIDTH SELECTION TABLE AND DETERMINE CORRECTION WIDTH
S9
SUBTRACT TIME PERIOD INDICATED BY CORRECTION WIDTH FROM TIME INFORMATION FOR START POINT OF CM SECTION
S10
ADD TIME PERIOD INDICATED BY CORRECTION WIDTH TO TIME INFORMATION FOR END POINT OF CM SECTION
S11
OUTPUT INFORMATION FOR CM SECTION HAVING BEEN CORRECTED TO EDIT MEANS
END

FIG. 10

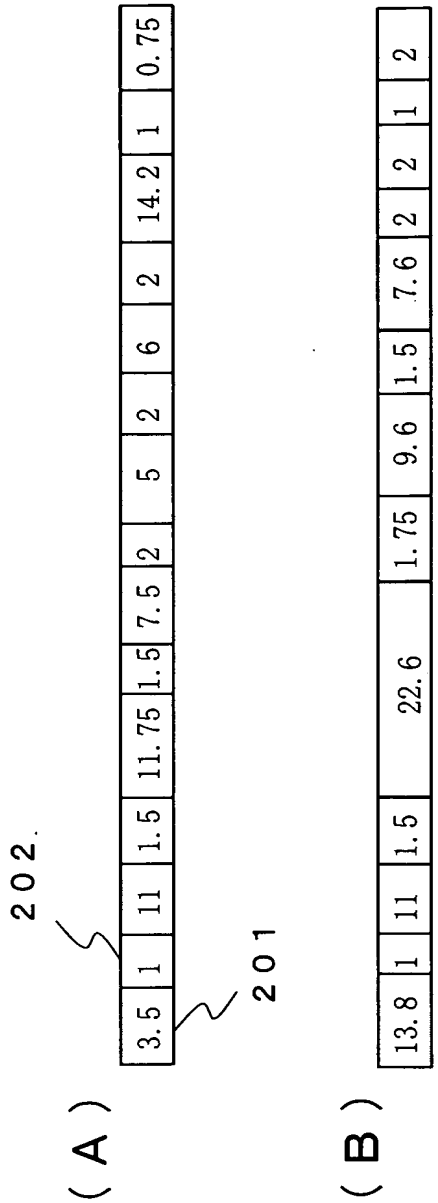

(A)
202
201
3.5
1
11
1.5
11.75
1.5
7.5
2
5
2
6
2
14.2
1
0.75
(B)
13.8
1
11
1.5
22.6
1.75
9.6
1.5
7.6
2
2
1
2

FIG. 11

TIME RATIO OF PROGRAM ELAPSED [%]	CORRECTION WIDTH [s]
0～10	30
10～20	15
20～80	15
80～100	30

FIG. 12

THE LENGTH OF PROGRAM SECTION IMMEDIATELY BEFORE [min]	TIME PERIOD FOR CM CORRECTION [s]
0～1	*
1～5	15
5～30	30
30～60	60

FIG. 13

(A)

GENRE	TABLE TO BE USED
NEWS	TABLE A
DRAMA	TABLE B
SPORTS	TABLE C
⋮	⋮

(B)

TIME SLOT FOR BROADCAST	TABLE TO BE USED
19:00-21:00	TABLE B
21:00-23:00	TABLE C
23:00-0:00	TABLE D
⋮	⋮

(C)

PROPORTION ACCOUNTED FOR BY CM SECTION IN PROGRAM	TABLE TO BE USED
0-10%	TABLE A
10-20%	TABLE D
20-30%	TABLE B
⋮	⋮

FIG. 14

20

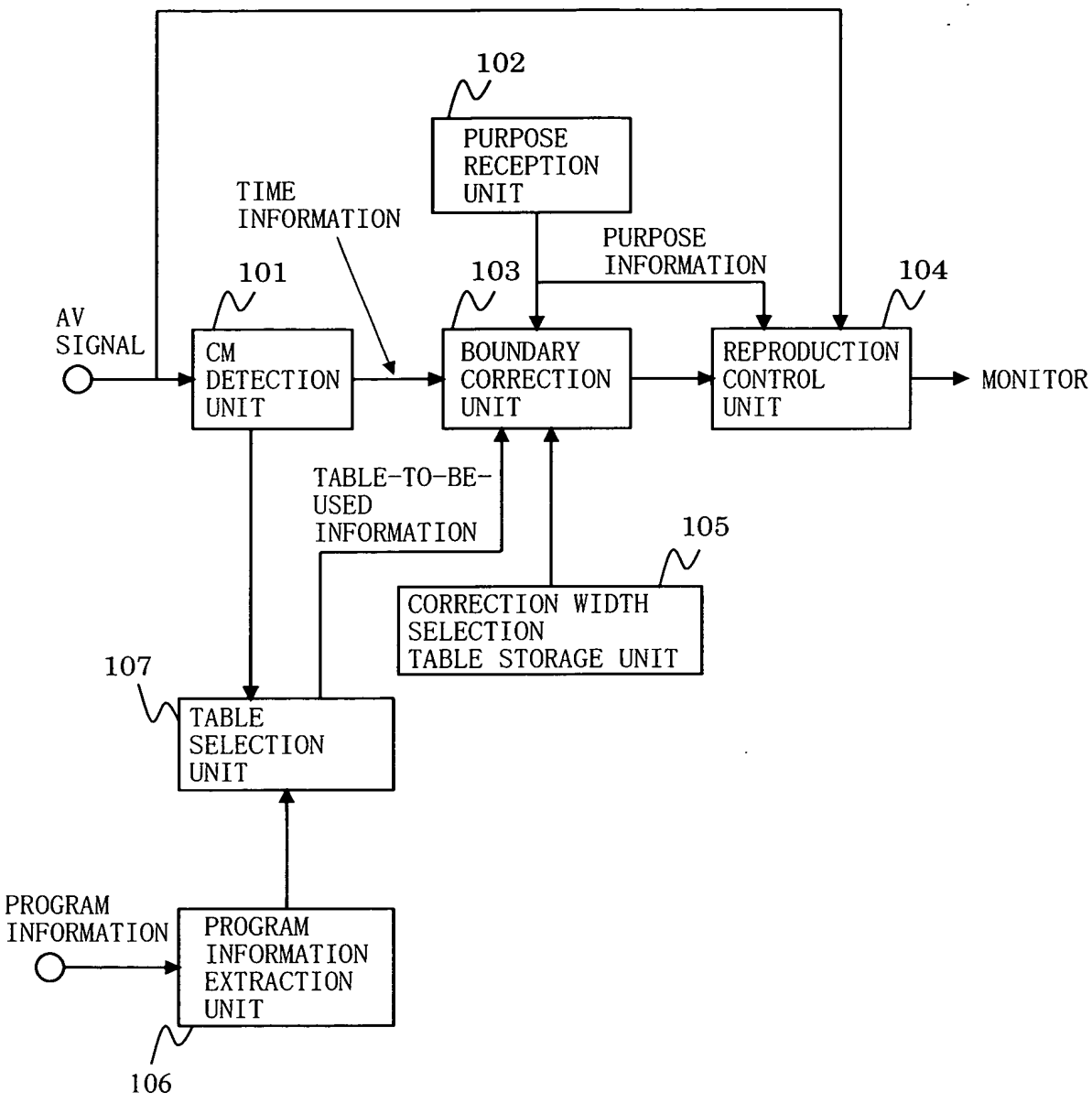

102
PURPOSE RECEPTION UNIT
TIME INFORMATION
PURPOSE INFORMATION
101
103
104
AV SIGNAL
CM DETECTION UNIT
BOUNDARY CORRECTION UNIT
REPRODUCTION CONTROL UNIT
MONITOR
TABLE-TO-BE-USED INFORMATION
105
CORRECTION WIDTH SELECTION TABLE STORAGE UNIT
107
TABLE SELECTION UNIT
PROGRAM INFORMATION
PROGRAM INFORMATION EXTRACTION UNIT
106

FIG. 15

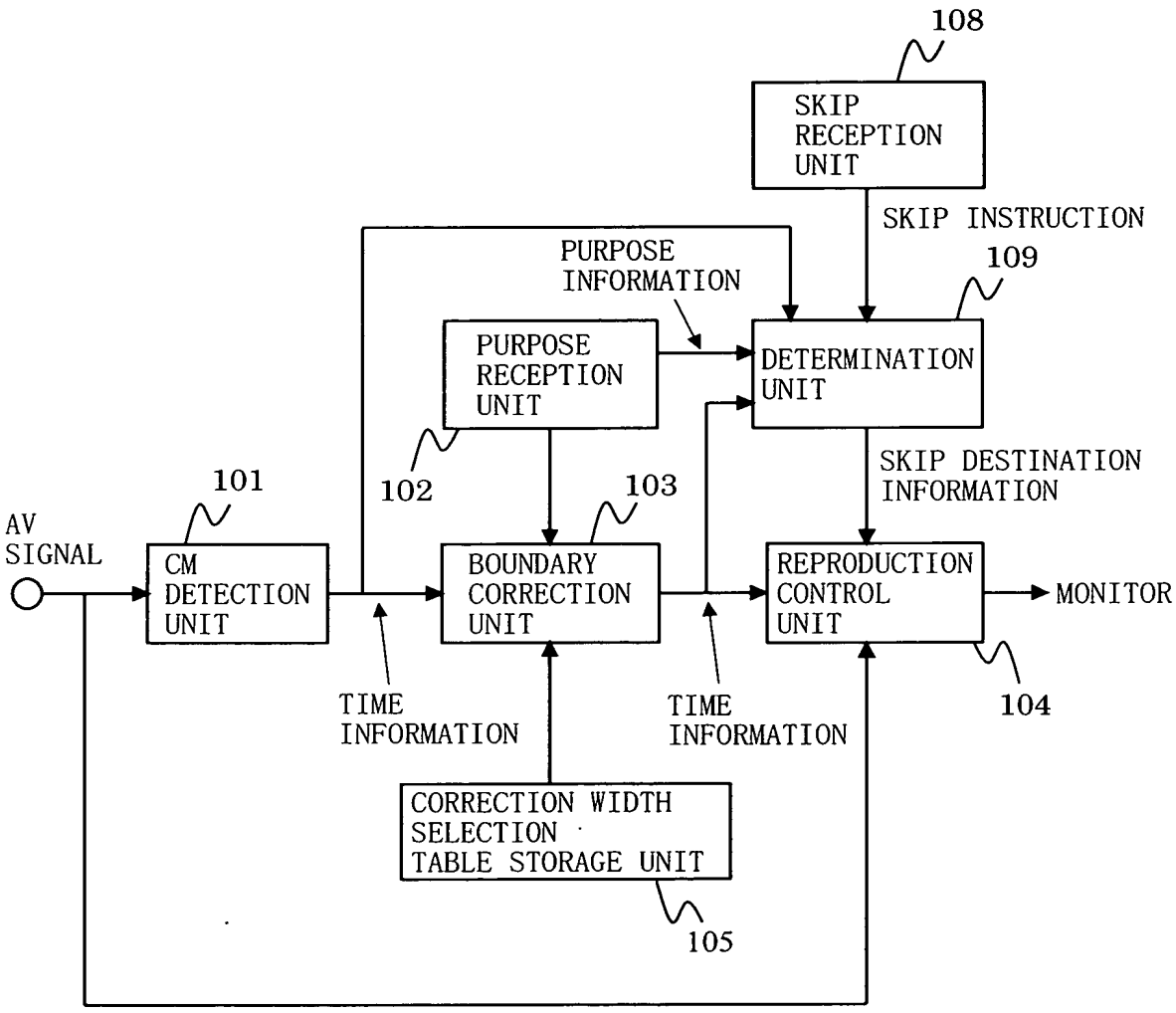

30
108
SKIP RECEPTION UNIT
SKIP INSTRUCTION
109
PURPOSE INFORMATION
PURPOSE RECEPTION UNIT
DETERMINATION UNIT
102
103
SKIP DESTINATION INFORMATION
101
AV SIGNAL
CM DETECTION UNIT
BOUNDARY CORRECTION UNIT
REPRODUCTION CONTROL UNIT
MONITOR
TIME INFORMATION
TIME INFORMATION
104
CORRECTION WIDTH SELECTION TABLE STORAGE UNIT
105

FIG. 16

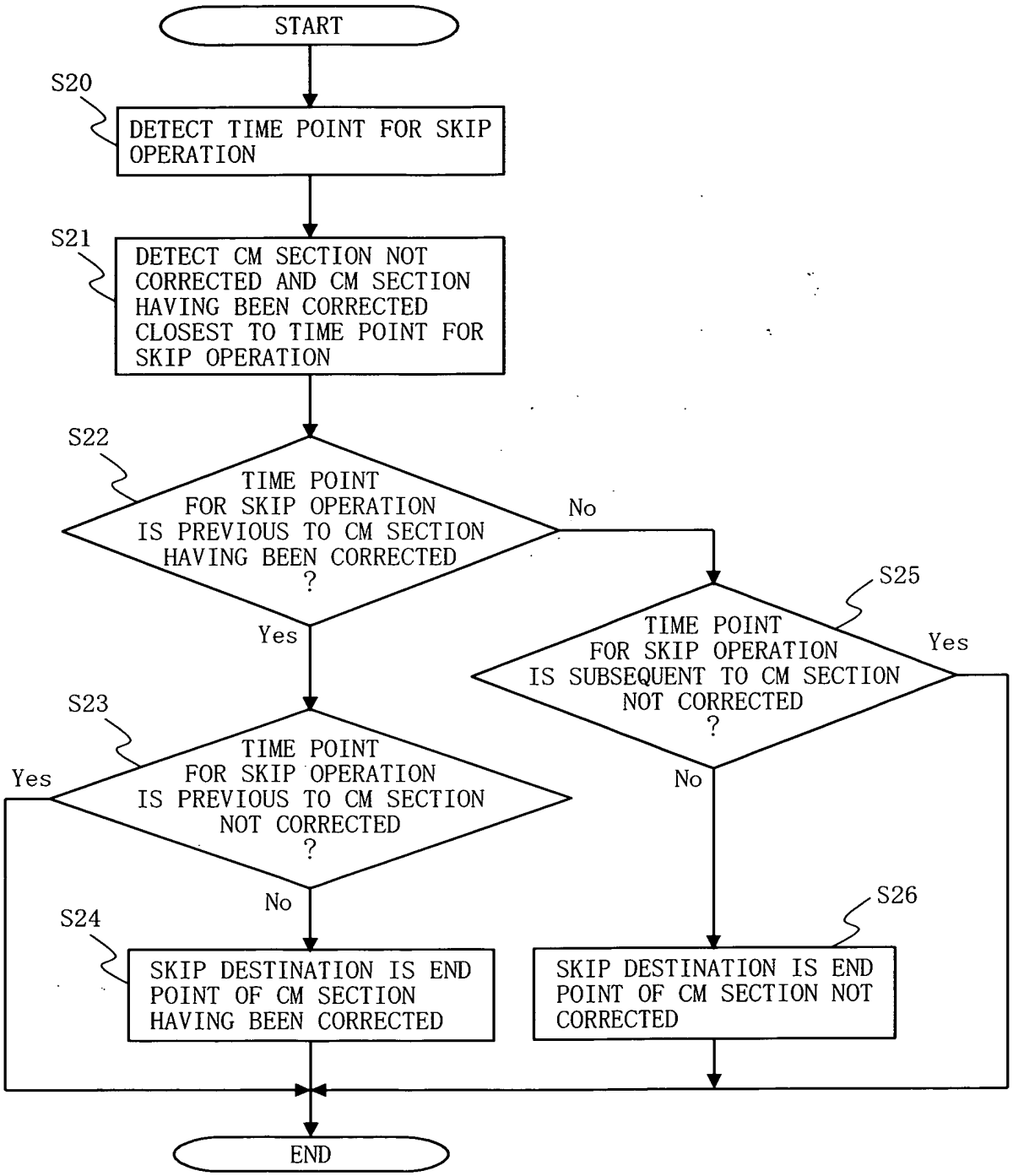

START
S20
DETECT TIME POINT FOR SKIP OPERATION
S21
DETECT CM SECTION NOT CORRECTED AND CM SECTION HAVING BEEN CORRECTED CLOSEST TO TIME POINT FOR SKIP OPERATION
S22
TIME POINT FOR SKIP OPERATION IS PREVIOUS TO CM SECTION HAVING BEEN CORRECTED ?
No
Yes
S25
TIME POINT FOR SKIP OPERATION IS SUBSEQUENT TO CM SECTION NOT CORRECTED ?
Yes
No
S23
TIME POINT FOR SKIP OPERATION IS PREVIOUS TO CM SECTION NOT CORRECTED ?
Yes
No
S24
SKIP DESTINATION IS END POINT OF CM SECTION HAVING BEEN CORRECTED
S26
SKIP DESTINATION IS END POINT OF CM SECTION NOT CORRECTED
END

FIG. 17

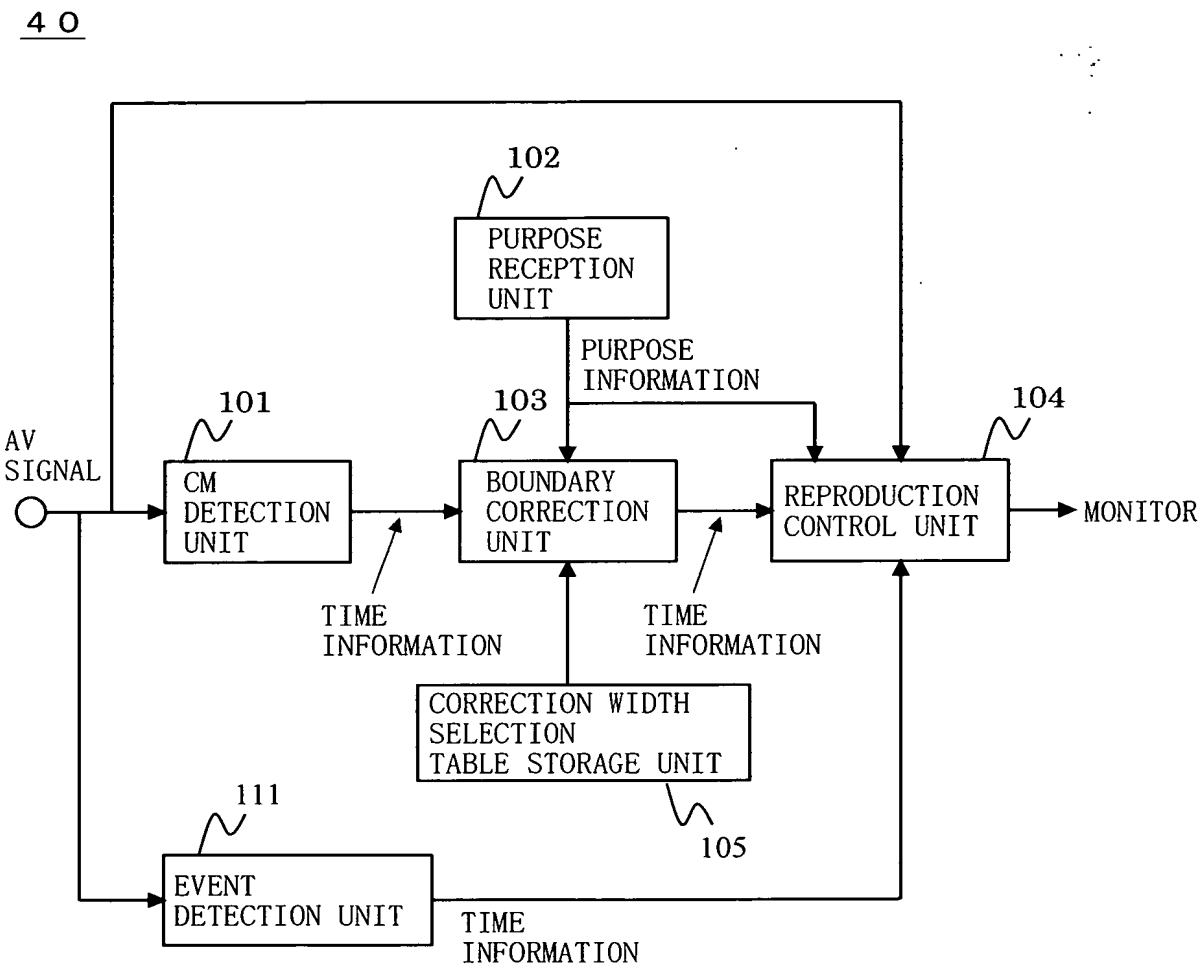

40
102
PURPOSE RECEPTION UNIT
PURPOSE INFORMATION
101
103
104
AV SIGNAL
CM DETECTION UNIT
BOUNDARY CORRECTION UNIT
REPRODUCTION CONTROL UNIT
MONITOR
TIME INFORMATION
TIME INFORMATION
CORRECTION WIDTH SELECTION TABLE STORAGE UNIT
105
111
EVENT DETECTION UNIT
TIME INFORMATION

FIG. 18

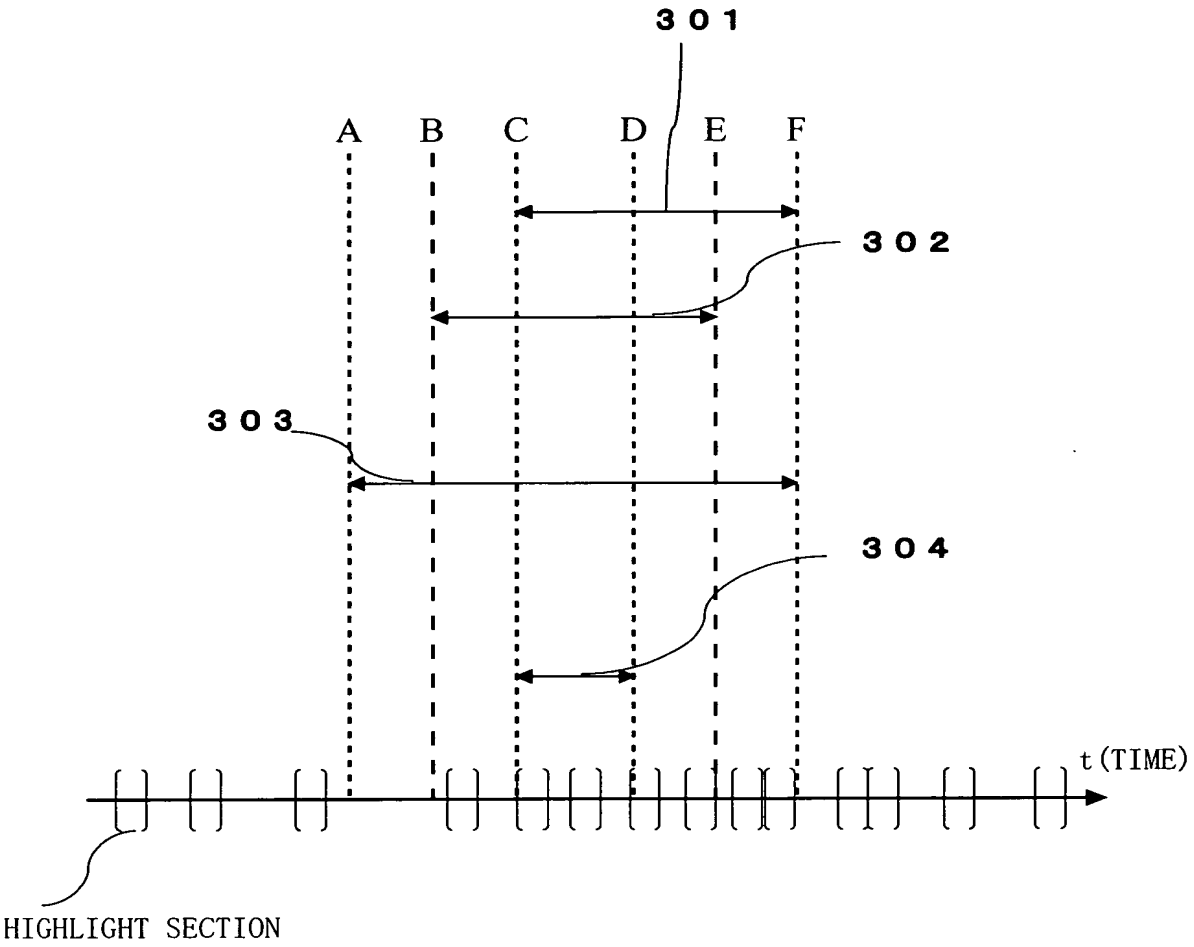


FIG. 19

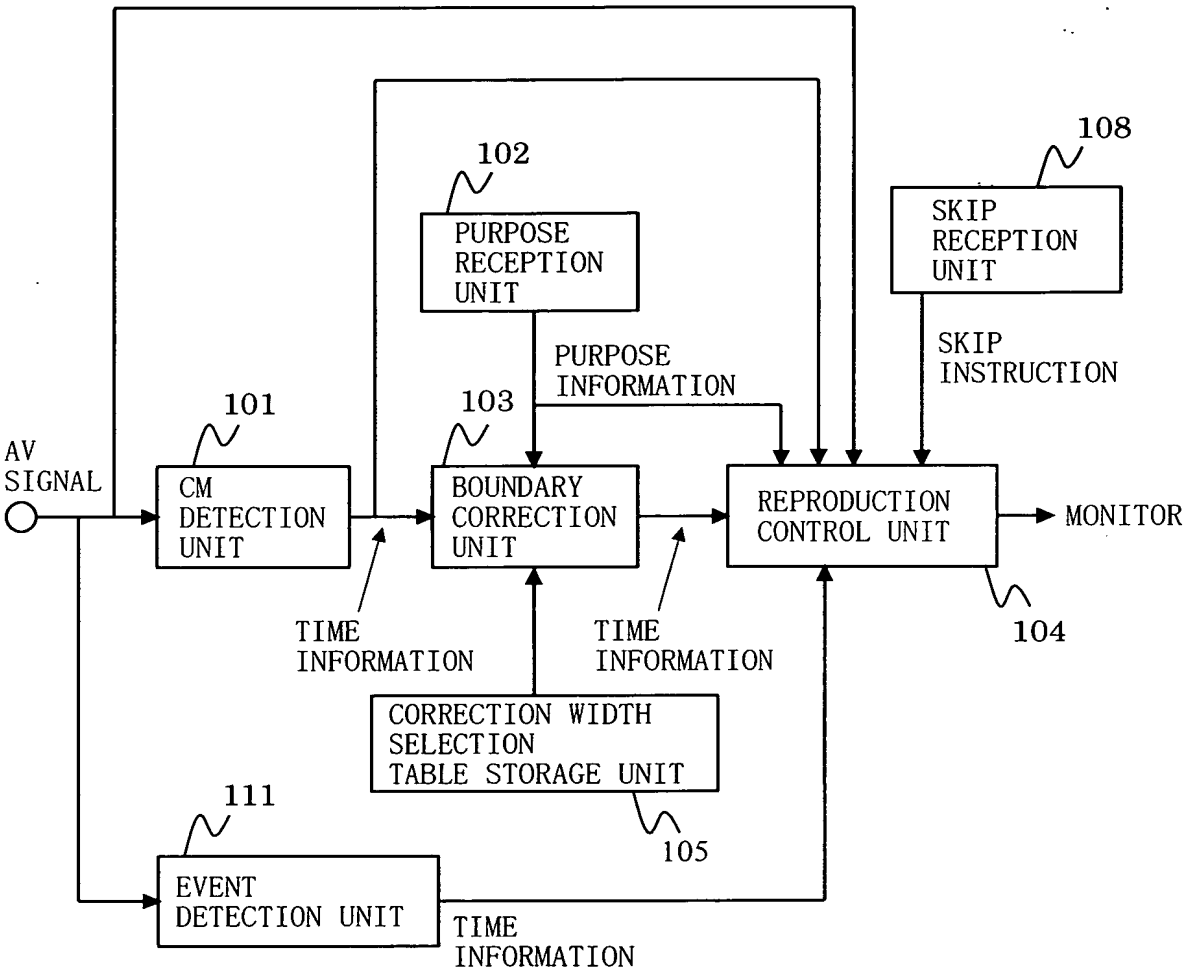

50
102
PURPOSE RECEPTION UNIT
108
SKIP RECEPTION UNIT
PURPOSE INFORMATION
SKIP INSTRUCTION
101
103
AV SIGNAL
CM DETECTION UNIT
BOUNDARY CORRECTION UNIT
REPRODUCTION CONTROL UNIT
MONITOR
104
TIME INFORMATION
TIME INFORMATION
CORRECTION WIDTH SELECTION TABLE STORAGE UNIT
105
111
EVENT DETECTION UNIT
TIME INFORMATION

FIG. 20

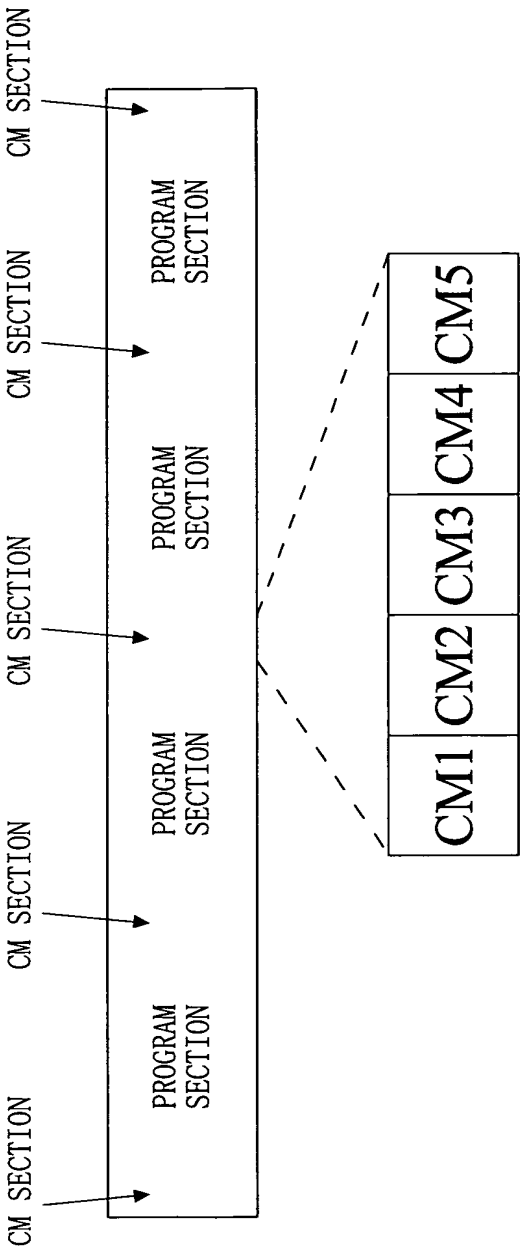
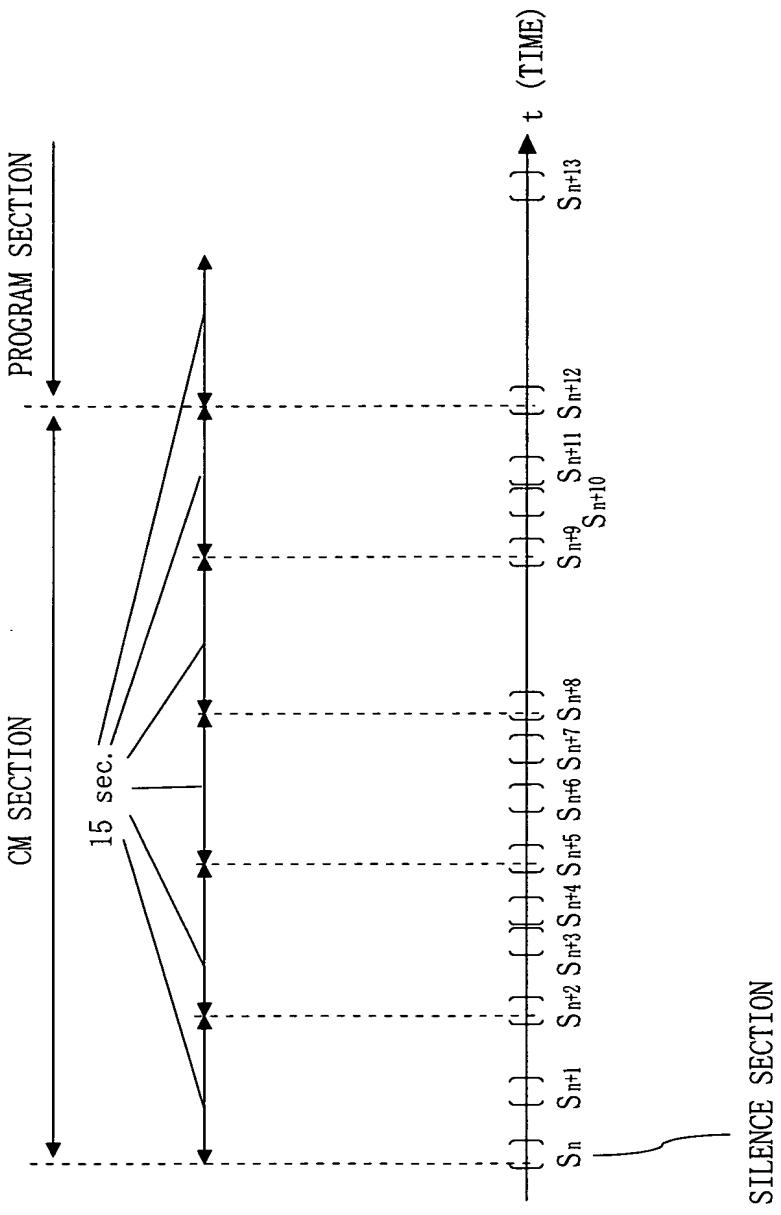

CM SECTION
CM SECTION
CM SECTION
CM SECTION
PROGRAM SECTION
PROGRAM SECTION
PROGRAM SECTION
PROGRAM SECTION
CM1
CM2
CM3
CM4
CM5

FIG. 21


PROGRAM SECTION
CM SECTION
15 sec.
t (TIME)
Sn
Sn+1
Sn+2
Sn+3
Sn+4
Sn+5
Sn+6
Sn+7
Sn+8
Sn+9
Sn+10
Sn+11
Sn+12
Sn+13
SILENCE SECTION